

BUB/CTE/2014-15/

Date: 20-03-2015

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and Asphaltting to BEL 6th Block Balance Roads in Ward No.09 of
Vidyaranyapure Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 18-03-2015

Sample supplied to lab by: Sri.R.Madhusudhan, Contractor,
Bangalore.

Report required for: Assistant Executive Engineer,
Vidyaranyapure Sub-Division.
BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision- 2001
53.00	100.00 ✓	100 ✓
45.00	96.30 ✓	95-100 ✓
26.50	---	-
22.40	75.20 ✓	60-80 ✓
11.20	46.00 ✓	40-60 ✓
4.75	38.00 ✓	25-40 ✓
2.36	23.10 ✓	15-30 ✓
0.600	19.60 ✓	8-22 ✓
0.075	3.00 ✓	0-8 ✓

*As Furnished by Client

The Results relate only to the items tested

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TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	24.40%	Not more than 30 %
2	Impact Value	----,,----	25.60%	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

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BUB/CTE/2014-15/

Date: 27-03-2015

TEST REPORT ON BITUMINOUS MIXES (BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).

{Project*: Improvements and Asphaltting to BEL 6th Block Balance Roads in Ward No.09 of Vidyananyapure Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 25-03-2015

Sample supplied to lab by: Sri.R.Madhusudhan, Contractor,
Bangalore.

Report required for: Assistant Executive Engineer,
Vidyananyapure Sub-Division.
BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.05 %**
2. **Gradation Test :**

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading - 2)
13.2	100	100
9.5	97.30	90—100
4.75	45.00	35—51
2.36	36.10	24—39
1.18	20.00	15—30
0.3	14.60	09—19
0.075	4.90	03—08

* As furnished by Client.

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Date: 27-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	23.80%	Not more than 30 %
2	Impact Value	----,,----	24.60 %	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	0.40%	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	97.40 %	Minimum retained coating 95.0 %

*As Furnished by Client

The Results relate only to the items tested.



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